INTRODUCTION - NPTEL (1-4) 29 September 19 MACHINE LEARNING - ML is about making computers to act without explicitly programming - Me algorithm can figure out how to perform task based on generalizing from data or examples and they can learn to improve themselves from the experience of past data. ML is all pervagive today, be it in business /industry / science / government (physical offect) Mr History - The program was able to observe positions at the game and learn a model that gives better moves for the machine the program was able to play better in the course of time with getting more experience of board games. - Samuel coined the term machine learning and he defined learning as a field of study that gives computer ability without being explicitly programmed. · 1960's - Neural network : Rosenblatt's perception - Pattern recognishion - Minksy & papert prove limitation of pureaption Perception is the simple neural network or co - Perception is designed to illustrate some of the fundamental properties of intelligent system in general without becoming too deeply mmensed in the special and frequently unknown conditione, which holds particular biological organisms. - But soon after (~3 years), came op with delta learning when that is used for learning perception. It was used as a placedure for training perception. It is also known as least square problem.



